

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 09-08-98
MANUFACTURER'S NAME: GUARDSMAN PRODUCTS BUSINESS UNIT
MANUFACTURER'S ADDRESS: LILLY INDUSTRIES, INC.
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SECTION I: PRODUCT INFORMATION

PRODUCT NAME: Odor Zapp
MANUFACTURERS CODE IDENTIFICATION: 2010, 2011, 2012, 2016, 2018, 2019
PRODUCT CLASS: Odor Eliminator

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	CAS Number	BY WGT.	Occupational Exposure Limits				VAPOR PRES.
			PEL	TLV	UNITS	LEL	
Isopropyl Alcohol	67-63-0	35 - 40	400	400	ppm	2.3	33.0

SECTION III: PHYSICAL DATA

EVAPORATION RATE: FASTER X SLOWER THAN ETHER
VAPOR DENSITY: X HEAVIER LIGHTER THAN AIR
BOILING RANGE: ~180°F Initial Boiling Point **C.A.R.B. VOC:** 84%*
PERCENT VOLATILE: 84% **WEIGHT PER GALLON:** 7.8 lb **SPECIFIC GRAVITY:** 0.93 typical

* 1 oz. Added to 1 gallon of paint will increase VOC by 6.1 grams per liter

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS: NFPA Class 1C Flammable Liquid
LOWER EXPLOSIVE LIMIT: See Section II
HMIS RATING:
 Health 2 Flammability 3 Reactivity 0
FLASH POINT: 82°F
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide. Water is not suitable as an extinguishing media, but may be used to cool nearby containers.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure may develop in closed containers if overheated. Empty containers with residual amounts of material are still potentially flammable. Flammable liquids may release vapors which can form a flammable mixture with air at or above the flashpoint.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear normal protective equipment and positive pressure breathing apparatus.

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

This product is a proprietary formulation and a trade secret for which no health hazard data exists. Exposure to this product or its components may cause eye, skin, nose, or throat irritation. Ingestion may cause gastrointestinal pain, cramps, diarrhea, etc. Overexposure to vapor or fumes may cause dizziness, headache, nausea, vomiting, etc. Prolonged or repeated occupational overexposure to solvents may cause permanent brain and nervous system damage. Intentional misuse by deliberate concentration and inhalation of contents may be harmful or fatal.

EMERGENCY FIRST AID PROCEDURES:

For eye contact, flush with running water for 15 minutes, holding lid open to expose surface of eye, contact physician. For skin, remove contaminated clothing and shoes, wash with mild soap and water. If affected by vapors or spray mists, remove to fresh air at once. Apply artificial respiration if necessary, contact physician immediately. If swallowed, do not induce vomiting, get medical attention immediately.

SECTION VI: REACTIVITY DATA

STABILITY: ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers like chlorine.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes, smoke, CO_x, oxides of other organic elements.

HAZARDOUS POLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID: Avoid high temperatures, direct heat.

SECTION VII: SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE
MATERIAL IS RELEASED OR SPILLED:**

Remove ignition sources. Dike and take up with absorbent material like earth or floor dry. Ensure adequate ventilation, avoid buildup of vapors.

WASTE DISPOSAL METHOD:

Dispose in accordance with all applicable federal, state, and local regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Atmospheric levels should be maintained below exposure guidelines. When respiratory protection is required, use appropriate, properly fitted NIOSH/MSHA approved equipment.

VENTILATION:

Control airborne concentrations below exposure guidelines. Local exhaust ventilation may be necessary.

PROTECTIVE GLOVES:

Use chemical resistant gloves when necessary to protect from personal exposure.

EYE PROTECTION:

Face shield or safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT:

Other protective clothing should be used as necessary to protect from personal exposure. Ground all containers when transferring material.

SECTION IX: SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN
HANDLING AND STORING:**

Keep containers closed when not in use. Do not use or store near open flame or strong oxidizers.

OTHER PRECAUTIONS:

Avoid breathing vapors or spray mists. Avoid prolonged or repeated personal contact. Wash thoroughly after use.

DOT INFORMATION

UN Number UN1993

Classification 3

Proper Shipping Name Flammable liquids, n.o.s. (Isopropanol)

Packing Group III

Exceptions May be reclassified as a Consumer commodity, ORM-D under certain conditions, as per 49CFR §173.150.

KEEP OUT OF REACH OF CHILDREN